

Sequence alignment showing conservation across 100 positions. The alignment is color-coded by sequence identity as indicated by the scale at the top.

Top Panel (10-190 Positions):

- Proteins: 15223317.p, 30677901.p, 113r_PKAcA, 1jlu_AMPK, 25144850.w, 25144846.w, 17510519.w, 24667346.f, 31208377.i, 31981564.m, PLK1.h, 31982530.m, ULK2.h, 40254402.m, 34872996.m, ULK1.h, 17564910.w, 1muo_AUR1, lowm_GPRK2, 15231140.p, 23509614.z
- Sequence positions: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190.

Middle Panel (210-390 Positions):

- Proteins: 15223317.p, 30677901.p, 113r_PKAcA, 1jlu_AMPK, 25144850.w, 25144846.w, 17510519.w, 24667346.f, 31208377.i, 31981564.m, PLK1.h, 31982530.m, ULK2.h, 40254402.m, 34872996.m, ULK1.h, 17564910.w, 1muo_AUR1, lowm_GPRK2, 15231140.p, 23509614.z
- Sequence positions: 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390.

Bottom Panel (410-590 Positions):

- Proteins: 15223317.p, 30677901.p, 113r_PKAcA, 1jlu_AMPK, 25144850.w, 25144846.w, 17510519.w, 24667346.f, 31208377.i, 31981564.m, PLK1.h, 31982530.m, ULK2.h, 40254402.m, 34872996.m, ULK1.h, 17564910.w, 1muo_AUR1, lowm_GPRK2, 15231140.p, 23509614.z
- Sequence positions: 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590.

The figure displays a 3D ribbon plot representing the evolution of protein sequences over time. The horizontal axis (x) represents years from 1810 to 1990. The vertical axis (y) lists various protein identifiers, including 15223317.p, 30677901.p, 113r_PKACa, 1jlu_AMPK, 25144850.w, 25144846.w, 17510519.w, 24667346.f, 31208377.i, 31981564.m, PLK1.h, 31982530.m, ULK2.h, 40254402.m, 34872996.m, ULK1.h, 17564910.w, 1muo_AUR1, 1omw_GPRK2, 15231140.p, and 23509614.z. The depth axis (z) represents sequence length, with labels at 2000, 2200, and 2400. The plot features a color gradient where red indicates older proteins and blue indicates newer ones. A prominent diagonal band of points extends from the bottom-left (shorter sequences, earlier years) towards the top-right (longer sequences, later years).